WATER-RIGHT DOCKET

Curecanti National Recreation Area

Docket No: 9

EAST ELK CREEK WELL

Preliminary Docket Information

00-00-0000: water right record

WATER RIGHT RECORD

Park: CURE

Docket Number: Federal #9

IDENTIFICATION NO: CURE W 274903 AF09

DITCH/WATER SYSTEM: East Elk Creek

SOURCE OF SUPPLY: Well

LOCATION: NW¼ NE¼ Sec. 27, T49N, R3W NMPM
350 ft. from North section line
1020 ft. from East section line

WATER RIGHT:

Appropriator: United States of America, National Park Service

Application/Permit Number:

Certificate Record Number:

Date of Priority: 10/30/80

Quantity of Water: 5 gpm

Purpose: Recreational

Irrigated Land Description:

SUMMARY OF STATUS: Recreational, day use, picnic area, hand pump

6 inch plain casing to 16 ft.
6 inch perforated casing from 16 to 26 ft.

Depth of well 50 feet.

State Water Rights Documentation

05-11-1981: permit application form to use ground water, construct a well, and install a pump: permit no. 119671

WRJ-5-Rev. 76

COLORADO DIVISION OF WATER RESOURCES
818 C n Bldg., 1313 Sherman St., Denver, Colo. 03

RECEIVED
MAR 1 0 1981
WATER RESOURCES
STATE ENGINEER
COLO

RECEIVED
APR 1 7 1981
WATER RESOURCES
STATE ENGINEER
COLO

PERMIT APPLICATION FORM

Application must be complete where applicable. Type or print in BLACK INK. No overstrikes or erasures unless initialed.

FOR: (x) A PERMIT TO USE GROUND WATER
(x) A PERMIT TO CONSTRUCT A WELL
(x) A PERMIT TO INSTALL A PUMP

( ) REPLACEMENT FOR NO. _____
( ) OTHER _____
WATER COURT CASE NO. _____

(1) APPLICANT - mailing address

NAME United States of America, Dept. of the Interior, National Park Service ~~Rocky Mountain Region~~

STREET P.O. Box 25287, 655 Parfet St.

CITY Denver Colorado (State) 80225 (Zip)

TELEPHONE NO. 234-5787

(2) LOCATION OF PROPOSED WELL

County Gunnison

NE ¼ of the NE ¼, Section 27

Twp. 49 N (N,S), Rng. 3 W (E,W), NM P.M.

(3) WATER USE AND WELL DATA

Proposed maximum pumping rate (gpm) 5

Average annual amount of ground water to be appropriated (acre-feet): 0.8

Number of acres to be irrigated: None

Proposed total depth (feet): 50

Aquifer ground water is to be obtained from:
Unknown

Owner's well designation East Elk Creek

GROUND WATER TO BE USED FOR:

( ) HOUSEHOLD USE ONLY - no irrigation (0)
( ) DOMESTIC (1) ( ) INDUSTRIAL (5)
( ) LIVESTOCK (2) ( ) IRRIGATION (6)
( ) COMMERCIAL (4) ( ) MUNICIPAL (8)
(x) OTHER (9) Recreational

DETAIL THE USE ON BACK IN (11)

(4) DRILLER

Name Kuchler's Water Wells

Street 1560 6450 Road

City Montrose CO (State) 81401 (Zip)

Telephone No. 249-9134 Lic. No. 864

FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COLUMN

Receipt No. _____ / 6429

Basin _____ Dist. _____

CONDITIONS OF APPROVAL

This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of the permit does not assure the applicant that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.

APPROVED FOR DRINKING AND SANITATION IN A RECREATIONAL FACILITY.

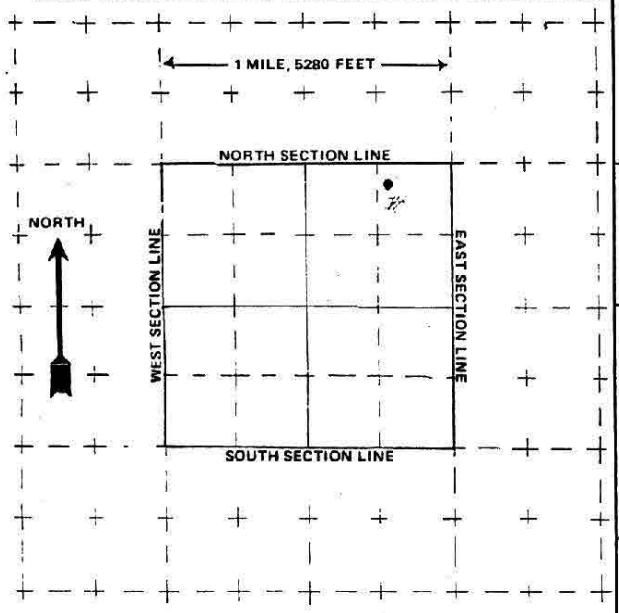
OWNER'S COPY

APPLICATION APPROVED

PERMIT NUMBER 119671
DATE ISSUED MAY 11 1981
EXPIRATION DATE MAY 11 1983

Robert C. Lamb (STATE ENGINEER)
BY Assistant D. A. Stallmire
I.D. 4-59 COUNTY 26

(5) THE LOCATION OF THE PROPOSED WELL and the area on which the water will be used must be indicated on the diagram below. Use the CENTER SECTION (1 section, 640 acres) for the well location.



The scale of the diagram is 2 inches = 1 mile
Each small square represents 40 acres.

WATER EQUIVALENTS TABLE (Rounded Figures)
An acre-foot covers 1 acre of land 1 foot deep
1 cubic foot per second (cfs) . . . 449 gallons per minute (gpm)
A family of 5 will require approximately 1 acre-foot of water per year.
1 acre-foot . . . 43,560 cubic feet . . . 325,900 gallons.
1,000 gpm pumped continuously for one day produces 4.42 acre-feet.

(6) THE WELL MUST BE LOCATED BELOW by distances from section lines.

350 ft. from North (north or south) sec. line

1020 ft. from East (east or west) sec. line

LOT _____ BLOCK _____ FILING # _____

SUBDIVISION _____

(7) TRACT ON WHICH WELL WILL BE LOCATED Owner: United States of America

No. of acres 27. Will this be the only well on this tract? Yes

(8) PROPOSED CASING PROGRAM

Plain Casing

6 in. from 0 ft. to 16 ft.

_____ in. from _____ ft. to _____ ft.

Perforated casing

6 in. from 16 ft. to 26 ft.

_____ in. from _____ ft. to _____ ft.

(9) FOR REPLACEMENT WELLS give distance and direction from old well and plans for plugging it:

N/A

(10) LAND ON WHICH GROUND WATER WILL BE USED:

Owner(s): United States of America No. of acres: _____

Legal description: Curecanti National Recreation Area

(11) DETAILED DESCRIPTION of the use of ground water: **Household use and domestic wells must indicate type of disposal system to be used.** Recreational, day use, picnic area, hand pump

(12) OTHER WATER RIGHTS used on this land, including wells. Give Registration and Water Court Case Numbers.

Type or right	Used for (purpose)	Description of land on which used

(13) THE APPLICANT(S) STATE(S) THAT THE INFORMATION SET FORTH HEREON IS TRUE TO THE BEST OF HIS KNOWLEDGE.

Wes Wolfe Acting Associate Reg. Director, Park Operations

SIGNATURE OF APPLICANT(S)

Use additional sheets of paper if more space is required.

WRJ-26-72

THIS FORM MUST BE SUBMITTED WITHIN 60 DAYS OF COMPLETION OF THE WORK DESCRIBED HEREON. TYPE OR PRINT IN BLACK INK.

COLO... O DIVISION OF WATER RESOURC...
300 Columbine Bldg., 1845 Sherman St.
Denver, Colorado 80203

WELL COMPLETION AND PUMP INSTALLATION REPORT

PERMIT NUMBER _____

WELL OWNER National Park Service

ADDRESS Curecanti National Recreation Area

DATE COMPLETED 10-30-80 , 19__

East Elk Creek Well #2

_____ ¼ of the _____ ¼ of Sec. _____,

T. _____, R. _____, _____ P.M.

WELL LOG

From	To	Type and Color of Material	Water Loc.
0	10'	Soil, Sand, Gravel & Cobbles.	Water make from 8' to 26'
10'	26'	Sand, Gravel & Cobbles.	
26'	50'	Shale & Sandstone, red, gray and green Morrison formation	

TOTAL DEPTH 50'

Use additional pages necessary to complete log.

HOLE DIAMETER

8 in. from 0 to 26' ft.

6 in. from 26 to 50' ft.

_____ in. from _____ to _____ ft.

DRILLING METHOD Air Rotary

CASING RECORD: Plain Casing

Size 6" & kind Steel from 0 to 16 ft.

Size _____ & kind _____ from _____ to _____ ft.

Size _____ & kind _____ from _____ to _____ ft.

Perforated Casing

Size 6" & kind Steel from 16 to 26' ft.

Size _____ & kind _____ from _____ to _____ ft.

Size _____ & kind _____ from _____ to _____ ft.

GROUTING RECORD

Material Cement

Intervals 0 to 10'

Placement Method Tremie

GRAVEL PACK: Size None

Interval _____

TEST DATA

Date Tested 10-31-80 , 19__

Static Water Level Prior to Test 7.95 ft.

Type of Test Pump Elect Submergible

Length of Test 8 hour

Sustained Yield (Metered) _____

Final Pumping Water Level 37.0 ft.

Supporting Hydro Data

DRILLING LOG | DIVISION | INSTALLATION | SHEET OF SHEETS

1. PROJECT: Curecanti National Recreation Area
2. LOCATION (Coordinates or Station): East Elk Creek Well Site 2
3. DRILLING AGENCY: Kuchler's Water Wells
4. HOLE NO. (As shown on drawing title and file number)
5. NAME OF DRILLER: Louis Kuchler
6. DIRECTION OF HOLE: [XX] VERTICAL [ ] INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN
8. DEPTH DRILLED INTO ROCK
9. TOTAL DEPTH OF HOLE
10. SIZE AND TYPE OF BIT
11. DATUM FOR ELEVATION SHOWN (TBM or MSL)
12. MANUFACTURER'S DESIGNATION OF DRILL
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN | DISTURBED | UNDISTURBED
14. TOTAL NUMBER CORE BOXES
15. ELEVATION GROUND WATER
16. DATE HOLE | STARTED | COMPLETED
17. ELEVATION TOP OF HOLE
18. TOTAL CORE RECOVERY FOR BORING %
19. SIGNATURE OF INSPECTOR

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
	5		Soil, Sand, Gravel & Cobbles			Water table, 7.95
	10		10'			Drilled 6" from 0 to 50'
	15		Sand, Gravel, & Cobbles			Reamed 8" from 0 to 26'
	20					6" Steel casing from 0 to 26'
	25		26'			Perforatedfrom 16 to 26'
	30					
	35		Shale & Sandstone Red, gray & green (Morrison Formation)			Water make from 8' to 26'
	40					
	45					
	50		50'			

ENG FORM 1836 MAR 71 PREVIOUS EDITIONS ARE OBSOLETE. | PROJECT | HOLE NO.

1100 Simms Street
Lakewood, Colorado
Phone (303) 233-8155

EARTH AIR WATER

Mailing Address:
1100 Simms Street
Golden, Colorado 80401

December 5, 1980

Job: 0L13

NATURAL RESOURCES LABORATORY, INC.

Jack Wendleton
National Park Service
655 Parfet Street
P.O. Box 25287
Denver, Colorado 80225

REPORT OF ANALYSES

Sample water Analyses		Stevens Creek	East Elk
As	mg/l	0.002	0.002
Ba	mg/l	<0.1	<0.1
Cd	mg/l	<0.001	<0.001
Cr	mg/l	0.004	<0.001
Pb	mg/l	0.005	<0.005
Hg	mg/l	<0.0001	<0.0001
NO_3 as N	mg/l	1.2	0.02
Se	mg/l	<0.002	<0.002
Ag	mg/l	0.001	<0.001
F^-	mg/l	0.4	0.4
Cl^-	mg/l	8.	<2.
Cu	mg/l	0.052	<0.001
TDS*	mg/l	260.	170.
Fe	mg/l	0.10	0.20
Mn	mg/l	<0.1	0.2
$SO_4^=$	mg/l	35.	30.
Zn	mg/l	<0.002	0.014
$CO_3^=$	mg/l	<2.	17.
HCO_3^-	mg/l	190.	100.
$S^=$	mg/l	**	**
pH		7.6	9.2

Full sample description: Stevens Creek - Well #2A, Curecanti NRA CX-1200-0-9007
East Elk - Well #7, CX 1200-0-9007

*by calculation from specific conductance

**No preserved sample was received for $S^=$ analysis

Thank you

Beth Madden

Beth Madden

ANALYTICAL SERVICES AND RESEARCH

Docket Information

Number of Documents in Docket 6

Documents Dated from 12/5/1980 to 5/11/1981

Docket Compiled: 2/15/2011